



AST 3500 Cellular and Satellite Telecommunication System Users Manual

AirCell Part Number: 810-10640 • Revision G • April 2004

Important Cellular Network Numbers

AirCell Customer Service **611** Toll-free
001.303.379.0278

Important Iridium Network Numbers

AirCell Customer Service **AIR1** (2471) Toll-free
001.303.379.0278

AirCell Customer Service Hours of Operation

Monday through Friday, 0730 (7:30 am) to 1700 (5:00 pm)
USA Mountain Time

Aircraft Registration _____

Aircraft Make/Model _____

Aircraft Serial Number _____

Telephone Numbers Assigned to this Aircraft

Iridium Satellite Number _____

AirCell Cellular Network Number _____

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1 General Information

Safety Information

For the safe and efficient use of your AirCell AST 3500 Cellular and Iridium Satellite telephone, please note the following information.

Your phone is a mobile transmitter and receiver. When using your phone, the antennas mounted on the outside of the aircraft transmit and receive radio frequency (RF) energy.

Other Electronic Equipment

Most modern electronic equipment, including personal medical devices (pacemakers, hearing aids, etc.) or equipment in hospitals and cars are shielded from RF energy. However, RF energy from radio telephones may affect some electronic equipment.

Modes of Operation

The AST 3500 phone operates in both cellular and satellite modes. In either, the system handling your call controls the power level at which your phone transmits.

- In AirCell Mode, your phone accesses the AirCell Nationwide Cellular Network, which operates in the 824 MHz to 894 MHz frequency range. The maximum power level of transmissions is 75 mW (milliwatts).
- In Iridium Mode, your phone accesses the Iridium Satellite Network of 66 Low-Earth Orbit (LEO) satellites, which operates in the 1616 MHz to 1625.5 MHz range. The maximum power level of transmissions is seven watts.

Features

Your phone provides many features, including a digital display, last number redial, and lockable network modes.

AirCell Mode provides additional phone features, including 99 memory locations, two “one-touch” dialing keys, three call timers, a signal strength indicator, and emergency dialing capability.

Telephone Overview

01 – Displays a telephone number being dialed or the system status.

For example, status indicates either AirCell or Iridium Mode.


02 – Dot in lower left corner displays when the power is on.

03 – **IN USE** displays when the phone is being used.

04 – **NoSvc** displays when phone is not registered or service is unavailable.

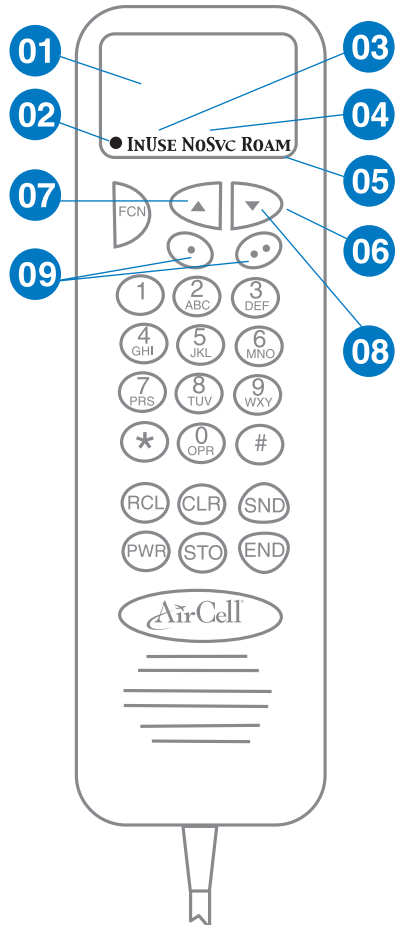
05 – **ROAM** displays when phone is in range of an AirCell cell site. This displays continuously in AirCell mode and has no effect on call billing.

06 – Volume keys adjust ear piece and AirCell ringer volume.

07 –  Scrolls up/Volume up.

08 –  Scrolls down/Volume down.

09 – One-touch dialing keys (AirCell Mode only).



2 Quickstart Calling Guide

Calling from the Aircraft

When calling from the aircraft, after dialing press .

Calls to USA/Canada (AirCell or Iridium)

Dial 1 + Area Code + Telephone Number.

Note: On older phones up to Revision C, dial 00 + 1 + Area Code + Telephone Number.

Calls to Outside USA/Canada (Iridium only)

Dial 00 (Iridium International Direct Dial access code prefix) + Country Code (USA/Canada = 1) + Telephone Number.

Making Two-Stage Calls to Aircraft via Iridium Network

Two-stage dialing may be a less-costly alternative to direct dialing, which is described on the following page.

Note: Toll-free numbers, such as 800 numbers, may not work for Iridium calls.

Calls from USA/Canada

Dial 1 + 480.768.2500 (listen for prompt) + Aircraft Iridium Telephone Number (8816.XXX.XXXXX).

Calls from Outside USA/Canada

Dial IDD prefix of the country you are calling from + 1 (USA Country Code) + 480.768.2500 (listen for prompt) + Aircraft Iridium Telephone Number (8816.XXX.XXXXX).

Note: Cellular or ground phones require international dialing capability.

Direct Dialing to the Aircraft via Iridium Network

Dial IDD prefix of the country you are calling from
(USA/Canada = 011) + Aircraft Iridium Telephone Number
(8816.XXX.XXXXX).

Note: Cellular or ground phones require international dialing capability. Some cellular and long-distance providers may not recognize the 8816 Iridium Country Code.

Direct Dialing to the Aircraft via AirCell Network


Dial 1 + 319.540 (AirCell Network Prefix) +
Aircraft AirCell Telephone Number (XXXX).

3 Basic Operation

The AST 3500 phone lets you make calls using both the AirCell Nationwide Cellular Network and the Iridium Satellite Network. The phone has two separate phone numbers, one for each network. Make note of these numbers in the front of this manual.

Turning Phone Power On and Off

Your phone has power anytime the aircraft's main avionics power switch is on. During initial power up, a small dot (•) appears in the display's lower left corner; the dot indicates the phone has power.

To turn off power to the phone, use the phone's circuit breaker or the main avionics power switch (do not use this method in flight). The handset's  key is only used to restart the system to save new default settings, such as a new ringer volume.

Checking the Telephone Display

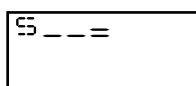
The display shows either the telephone number being dialed, or a system status indicator. Iridium Mode is indicated by **IRIDIUM**. The default AirCell Mode is indicated by an **S**, a signal strength indicator, and **ROAM**. During power up, **NoSvc** appears briefly in the display's bottom center. You cannot place a call until the **NoSvc** indicator turns off.

Checking the Aircell Signal Strength Indicator

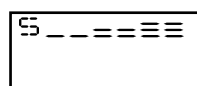
In AirCell Mode, the Signal Strength Indicator bar graph below shows in the display's top left, following the **S** (for signal) that also indicates you are in AirCell Mode. An **S** alone indicates no signal. Each additional horizontal bar indicates greater signal strength. A minimum of three bars is recommended before placing calls.



No Signal



*Min. Recommended
Signal*



Strong Signal

Selecting Network Modes

Your telephone provides a choice of three network modes for calls from the aircraft. Select a mode to “lock in” a particular calling network, or let the system select for you:

- **AirCell Mode.** Use this mode for voice or data calling within AirCell’s continental USA cellular communications network.
- **Iridium Mode.** Use this mode for calling outside of the AirCell Network. Lets you access the Iridium Satellite Network.
- **Auto Select Network Mode.** Use this default mode to let the system automatically select the AirCell Network for outgoing calls (voice or data) within AirCell’s coverage area. Outside of the AirCell coverage area, this mode automatically switches the phone to the Iridium Network.

Once you select a network mode, it remains until you change it, or you turn off the power. Except where noted, telephone features and instructions apply to all modes.

To select a network mode:

- 1) With the power on, press the **(FCN)** key.
- 2) Select the network:
 - For the AirCell Network, press **(3 DEF)** and then **(1)**. An **S** and a signal strength indicator display.
 - For the Iridium Network, press **(3 DEF)** and then **(3 DEF)**. The display then shows **IRIDIUM**.
 - For Auto Select, press **(3 DEF)** and then **(2 ABC)**. The display briefly shows **AUTO**, and then indicates the currently selected network.

***Note:** Regardless of the selected mode, the phone can answer calls in either mode. Wherever service is available, the phone rings when there is an incoming call. Press **(SND)** to receive any type of call.*

Learning More About Network Modes

Use AirCell Mode for clear, convenient calling within the continental USA. AirCell Mode also provides the fastest data transmissions.

Use Iridium Mode for continuous calling almost anywhere in the world.

An AirCell Mode call in progress cannot be continued on the Iridium Network without redialing. If you lose AirCell cellular coverage during a call, redial using the Iridium Mode.

To quickly enter Iridium Mode for a call, simply begin dialing any number with 00. This prefix automatically selects Iridium Mode, regardless of the phone's current mode setting.

Iridium Mode is useful even within AirCell's continental USA network area. For example, you can use Iridium Mode anytime you suspect you might lose AirCell coverage, such as during descent or when flying across a USA border.

In Auto Select Network Mode, you can also place two simultaneous calls.

Use AirCell Mode to start a fax or data call. Once connected, the phone automatically switches to Iridium Mode, and you can make a simultaneous voice call. When both calls end, the phone switches back to the Auto Select Network Mode.

Placing Calls from the Aircraft


With a calling mode selected, it is easy to place calls from the air.




Iridium Mode

To place an Iridium call:

- 1) With the power on and **NoSvc** indicator off, dial:
 - USA/Canada: Dial 1 + Area Code + Number.


Note: On phones up to Revision C, dial 00 before the 1.

 - International Calls: Dial 00 + Country Code + Number.
 - Another Iridium phone: Dial 00 + 8816 + XXX.XXXXX (other subscriber's Iridium Network Number).
- 2) Press the  key. An **InUse** message then displays until the call ends.


Note: Verify that phone is in Iridium Mode. Or lock Iridium Mode by pressing , ,  before dialing, and wait for confirmation. You may also hear up to five beeps in the 10–12 seconds while your call is being connected.

AirCell Mode


To place an AirCell call:

- 1) With the power on and **NoSvc** indicator off, enter a number:
 - USA: Dial 1 + Area Code + Telephone Number.
- 2) Press the  key. An **InUse** message then displays until the call ends.

Redialing

To automatically redial the last number called, press the  key. The last number is redialed, but without appearing on the display.

Receiving Calls

When your telephone rings, pick up the handset and press the  key to answer the phone.

Ending Calls

Always press the  key to end a call.

Placing Calls to the Aircraft from the Ground

You can dial direct using either the AirCell (continental USA only) or Iridium (global satellite) networks. Two-stage dialing may be a less-expensive alternative for Iridium Network calls.

Two-Stage Dialing to the Aircraft from the Ground

Two-stage dialing may be the most cost-effective method of placing an Iridium Network call. With this method, the calling party is charged by their long distance provider for a call to Tempe, Arizona, USA for the call's duration. The called party (in the aircraft) is charged AirCell per minute charges, from the time the call connects in Tempe, until the call is ended.

To use Iridium two-stage dialing:

- 1) Dial the Iridium Call Routing Center:
 - USA/Canada: Dial 1.480.768.2500.
 - Outside USA/Canada: Dial 00** (IDD access code prefix) + 1 (USA Country Code) + 480.768.2500.
- 2) When prompted, dial 8816 (Iridium Country Code) + XXX.XXXXX (Iridium Network Number you are calling).

The call is routed to the aircraft. If the system is registered on the network, the phone will ring in 4–6 seconds.

Direct Dialing to the Aircraft from the Ground

To use AirCell direct dialing:

- USA: Dial 1 + 319.540 (AirCell Network Prefix) + Aircraft AirCell Telephone Number (XXXX).

To use Iridium direct dialing:

- USA/Canada: Dial 011 (IDD) + 8816 (Iridium Country Code) + XXX.XXXXX (Iridium Network Number).
- Outside USA/Canada: Dial 00** (IDD access code prefix) + 8816 (Iridium Country Code) + XXX.XXXXX (Iridium Network Number you are calling).

Note: When direct dialing the Iridium Network, there may be a pause of up to 25 seconds as the system completes your call.

Making Data Calls

Please call AirCell Customer Service, or visit www.AirCell.com, for the latest instructions and supported equipment for using personal computers over the AirCell and Iridium networks.

For AirCell Customer Service, dial AIR 1 (2471) toll-free or 001.303.379.0278. Call Monday through Friday from 0730 to 1700, USA Mountain Time.

Using Phones as an Intercom

Two or more AirCell handsets can be used as an intercom; just pick up the handsets and talk. Some custom installations install a remote intercom alert switch to signal another handset location. The alert may consist of either a light, a ringer, or both. Once alerted, use the handset for an intercom conversation within the aircraft.

Using Operator-Assisted Calling

Neither network supports operator-assisted calling or services.

Making Toll-Free Calls

Toll-free numbers, such as 800, 877, and 888 numbers, may not work for airborne or international calls.

Resetting the Phone

In the event that the phone becomes inoperative, for example with the display indicating **ERRIO4**, reset the phone's circuit breaker from the cockpit.

4 AirCell Mode Special Features

Your phone provides many additional special features when using AirCell Mode and the AirCell Network.

Dialing 911 Emergency Calls

You can only use AirCell Mode for 911 emergency calls. All 911 calls are automatically routed to the closest FAA Air Route Traffic Control Center (ARTCC).

Dialing Directory Assistance

In AirCell Mode, dial 1 + Area Code + 555.1212.

Dialing with a Calling Card

You can use a prepaid calling card in AirCell Mode.

To use a calling card:

- 1) Dial the card's toll-free access number.
- 2) Follow the online prompts. Or let the calling card company's personnel assist you in placing the call.

Displaying the AirCell Telephone Number

You can review the AirCell phone number assigned to the aircraft. To display the number, press **RCL**, **#**. When done, press **CLR**.

Sending and Receiving Faxes

AirCell Mode supports facsimile service. Plug the fax machine into the RJ11 modular telephone jack, and connect any required power supply.

- To send a fax, refer to the instructions for your fax machine.
- To receive a fax, press the fax machine's Start button if you hear an incoming fax signal when you pick up the handset. Then press the handset's **END** key to switch the call from the handset to the fax machine.

Locking and Unlocking the Telephone

In AirCell Mode, you can lock the phone handset to prevent its use for any incoming and outgoing calls during a flight. Once the locking is set as desired, you can also save the setting for other flights by using the **(PWR)** key to restart the AirCell phone system. The saved setting is used as the default until changed.

To lock the handset:

- 1) Press **(FCN)**, **(5 JKL)**. The display then shows **LOCK?**.
- 2) Press **(STO)** to lock the handset, which displays **LOCKED** as confirmation. Or press **(END)** to cancel without locking.

To unlock the handset:

Enter the unlocking code on the handset. Unless the code has been changed, enter the factory preset unlocking code (333). If you make a mistake, press **(CLR)** and start over.

***Note:** If the handset is locked when a call is received, you must enter the unlocking code to answer the phone.*

To change the unlocking code:

- 1) Press **(FCN)**, **(0 OPR)**.
- 2) Enter the default six-digit security code (888888).
- 3) Enter your desired three-digit unlocking code.
- 4) Press **(STO)**, and the new unlocking code displays as confirmation.

To display the unlocking code:

- 1) Press **(FCN)**, **(0 OPR)**.
- 2) Enter the default six-digit security code (888888).
- 3) Press **(RCL)** and the phone displays the three-digit unlocking code.

Timing AirCell Calls

When using AirCell Mode, you can time the duration of calls.

Timing Individual Calls

You can time the minutes and second of your last call. To do this, press **RCL**, **#**, **#**.

Timing Numerous Calls with a Resettable Call Timer

You can time all the minutes since you last reset a custom timer. This is useful for tracking all the minutes used in a month.

- To display accumulated minutes, press **RCL**, **#**, **#**, **#**.
- To reset the timer, press **FCN**, **0**, **7**, **CLR**.

Timing All Calls

You can also time all the minutes since the system was installed. To do this, press **RCL**, **#**, **#**, **#**, **#**.

Storing Numbers and Using Memory Dialing

In AirCell Mode, you can store and use up to 99 frequently-called phone numbers. You also have the option of storing a name that identifies each number stored in memory.

To dial a stored phone number:

- 1) Press **RCL**.
- 2) Specify the number by doing one of the following:
 - Enter the two-digit memory location number.
 - Press **OPR**, **1**, then press the **▲** and **▼** keys to scroll through the saved numbers.

The display shows the location number, then the first 10 digits of a number. Or if no location number was entered, up to seven characters of the name display.

- 3) Press **SND** to call the displayed number.

To store a phone number in memory:

- 1) Enter the phone number (1 + Area Code + Number).
- 2) Press **STO** to store the number.
- 3) Specify a memory location by doing one of the following:
 - Enter a two-digit number.
 - Press ***** to automatically use the next available memory location.
- 4) At the **ALPHA** prompt, do one of the following:
 - To specify an identifying name for the memory location, enter up to seven alphabetical characters. Press **#** to move the cursor forward, or press ***** to move back.
 - To leave the name blank, continue to the next step.
- 5) Press **STO** to store the information. The phone displays the memory location as confirmation.

To edit a stored phone number:

- 1) Press RCL , and the two-digit memory location.
- 2) If necessary, press RCL again to display the phone number.
- 3) Edit number as necessary, pressing CLR to clear unwanted digits. Enter new digits.
- 4) Press STO and enter the same two-digit memory location.
- 5) At **ALPHA** prompt, edit any name information as desired.
- 6) Press STO .
- 7) At **Change?** prompt, press STO to replace old information.

To edit a phone number's memory location:



- 1) Press RCL , then enter the old two-digit memory location.
- 2) Press END , STO , and the new two-digit memory location.
- 3) Press CLR to return to the main display menu.
- 4) Clear the old (duplicate) number from memory.

To clear a phone number from memory:





- 1) Press CLR , STO , and the two-digit memory location.
- 2) At the **ALPHA** prompt, press STO to bypass editing.
The phone displays the memory location, and **FULL**.
- 3) At the **CHANGE?** prompt, do one of the following:
 - To clear the entry from memory, press STO , CLR .
 - To quit without clearing, press END .

*Note: The phone's memory protection feature displays **FULL** if a memory location is already in use. The **CHANGE?** prompt lets you confirm before replacing or clearing an entry in memory.*






Using One-Touch Dialing

In AirCell Mode, you can use two special keys,  and , for speed dialing. You can store one number for each of the keys. Pressing and holding a key dials the key's stored phone number.

To store a number:


- 1) Enter the phone number being stored.
- 2) Press  to store the number.
- 3) Press the special key being associated with the number.
- 4) At the **ALPHA** prompt, you can specify a name for the key, by entering up to seven alphabetical characters. Press  to move the cursor forward, or press  to move back.
- 5) Press  to store the information. The phone displays **STORED** as confirmation.




To use other one-touch features:

- To recall a number, press  and the one-touch dialing key.
- To clear a number, press , , and the dialing key. At the **ALPHA** prompt, press . At the **CHANGE?** prompt, press .

Learning About Entering Characters



Use the same basic techniques for entering characters for memory or one-touch dialing.

At an **ALPHA** prompt, you can enter alphabetical characters using the numeric keypad. For example, press  once for A, twice for B, or three times for C.



Press  to move the cursor forward, or press  to move the cursor backward. To delete a selected character, press .

5 Volume Settings


Displaying the Volume Meter




The phone's volume meter shows the current volume setting. The current setting displays whenever you adjust the volume by pressing the  or  keys. The volume level displays as a bar graph after the letter **V** on the display's left side. Each additional bar indicates a higher volume setting, up to a maximum of six.

Changing Ear Piece Volume

You can change the ear piece volume during a call, or whenever the handset is out of the cradle. Increase or decrease the volume by pressing and holding the  or  keys. The maximum setting is six bars.

Changing the AirCell Ringer Volume

You can change the telephone's AirCell Mode ringer volume. Once the ringer volume is set as desired, you can also save the setting by using the  key to restart the AirCell phone system. The saved setting is used as the default ringer volume until changed.

To change the volume, press  and then use the  or  keys. The maximum setting is six bars.

Learning Basics Before Calling

All calls using the Iridium Satellite Network are considered international calls. When calling aircraft on the Iridium Network, always use the 8816 Iridium Country Code.

Direct-dialed Iridium Network calls to an AirCell AST 3500 phone are billed by long distance providers as international calls. Since rates vary greatly, check rates before making calls. Two-stage dialing may be a less-expensive alternative.

Some long distance providers do not recognize the 8816 Iridium Country Code. Two-stage dialing does recognize the Iridium Country Code.

In the calling procedures, 00** represents the International Direct Dial (IDD) access code prefix of the country you are calling from. In many countries, the IDD code is 00.

See the Appendix for a list of International Direct Dial (IDD) access code prefixes, as well as Country Codes. For a more current list, refer to Internet sites such as www.iridium.com/customer.

A Appendix

International Direct Dial Prefixes and Country Codes

To make a call, dial IDD Prefix + Country Code + Phone Number.

Note: At International Direct Dial Prefix access code, wait for second tone.

Location	Country Code	IDD Prefix
AFGHANISTAN	93	00
ALBANIA	355	00
ALGERIA	213	00~
AMERICAN SAMOA	684	00
ANDORRA	376	00
ANGOLA	244	00
ANGUILLA	264*	011
ANTARCTICA	672	
ANTIGUA	268*	011
ARGENTINA	54	00
ARMENIA	374	8-10
ARUBA	297	00
ASCENSION ISL.	247	01
AUSTRALIA	61	0011
AUSTRIA	43	00
AZERBAIJAN	994	8-10
BAHAMAS	242*	001
BAHRAIN	973	0
BANGLADESH	880	00
BARBADOS	246*	011
BARBUDA	268*	011
BELARUS	375	8-10
BELGIUM	32	00
BELIZE	501	00
BENIN	229	00
BERMUDA	441*	011
BHUTAN	975	00
BOLIVIA	591	00
BOSNIA & HERZOGOVINA	387	00
BOTSWANA	267	00
BRAZIL	55	00
BRITISH VIRGIN ISL.	284*	011
BRUNEI	673	00
BULGARIA	359	00
BURKINA FASO	226	00
BURMA (MYANMAR)	95	0
BURUNDI	257	90
CAMBODIA	855	00
CAMEROON	237	00
CANADA	1	011
CAPE VERDE ISL.	238	0

Location	Country Code	IDD Prefix
CAYMAN ISL.	345*	011
CENTRAL AFRICAN REPUBLIC	236	19
CHAD	235	15
CHATHAM ISL., N. ZEAL.	64	00
CHILE	56	00
CHINA (PRC)	86	00
CHRISTMAS ISL.	672	00
COCOS-KEELING ISL.	61	0011
COLOMBIA	57	90
COMOROS	269	10
CONGO	242	00
CONGO, DEM. REP. OF (Former ZAIRE)	243	00
COOK ISL.	682	00
COSTA RICA	506	00
CROATIA	385	00
CUBA	53	119
CUBA (Guantanamo Bay)	5399	00
CYPRUS	357	00
CZECH REPUBLIC	420	00
DENMARK	45	00
DIEGO GARCIA	246	00
DJIBOUTI	253	00
DOMINICA	767*	011
DOMINICAN REPUBLIC	809*	011
EASTER ISL.	56	00
ECUADOR	593	00
EGYPT	20	00
EL SALVADOR	503	0
EQUATORIAL GUINEA	240	00
ERITREA	291	00
ESTONIA	372	8-00
ETHIOPIA	251	00
FAEROE ISL.	298	009
FALKLAND ISL.	500	0
FIJI ISL.	679	05
FINLAND	358	00, 990, 994, 999
FRANCE	33	00

International Direct Dial Prefixes and Country Codes

To make a call, dial IDD Prefix + Country Code + Phone Number.

Location	Country Code	IDD Prefix
FRENCH ANTILLES	596	00
FRENCH GUIANA	594	00
FRENCH POLYNESIA	689	00
GABON	241	00
GAMBIA	220	00
GEORGIA	995	8-10
GERMANY	49	00
GHANA	233	00
GIBRALTAR	350	00
GREECE	30	00
GREENLAND	299	009
GRENADA	473*	011
GUADELOUPE	590	00
GUAM	671*	011
GUANTANAMO BAY	5399	00
GUATEMALA	502	00
GUINEA-BISSAU	245	00
GUINEA (PRP)	224	00
GUYANA	592	001
HAITI	509	00
HONDURAS	504	00
HONG KONG	852	001
HUNGARY	36	00
ICELAND	354	00
INDIA	91	00
INDONESIA	62	001,008
IRAN	98	00
IRAQ	964	00
IRELAND	353	00
IRIDIUM NETWORK	8816	00
ISRAEL	972	
<i>Calling Israel may be illegal in certain locations</i>	(BEZEQ LTD)	00
	(GOLDEN LINES)	012
	(BARAK LTD)	013
	(BEZEQ LTD)	014
ITALY	39	00
IVORY COAST	225	00
JAMAICA	876*	011
JAPAN	81	001
JORDAN	962	00
KAZAKHSTAN	7	8-10
KENYA	254	000
KIRIBATI	686	00
KOREA (NORTH)	850	00
KOREA (SOUTH)	82	001

Location	Country Code	IDD Prefix
KUWAIT	965	00
KYRGYZ REPUBLIC	996	8-10
LAOS	856	14
LATVIA	371	00
LEBANON	961	00
LESOTHO	266	00
LIBERIA	231	00
LIBYA	218	00
LIECHTENSTEIN	41	00
LITHUANIA	370	8-10
LUXEMBOURG	352	00
MACAU	853	00
MACEDONIA (Former YUGOSLAV REPUB.)	389	00
MADAGASCAR	261	16
MALAWI	265	101
MALAYSIA	60	00
MALDIVES	960	00
MALI REPUBLIC	223	00
MALTA	356	00
MARSHALL ISL.	692	00
MARTINIQUE	596	00
MAURITANIA	222	00
MAURITIUS	230	00
MAYOTTE ISL.	269	10
MEXICO	52	00
MICRONESIA	691	011
MIDWAY ISL.	808	00
MOLDOVA	373	8-10
MONACO	377	00
MONGOLIA	976	00
MONTERRAT	664*	011
MOROCCO	212	00~
MOZAMBIQUE	258	00
MYANMAR	95	0
NAMIBIA	264	09
NAURU	674	115
NEPAL	977	00
NETHERLANDS	31	00
NETH. ANTILLES	599	00
NEVIS	869	011
NEW CALEDONIA	687	00
NEW ZEALAND	64	00
NICARAGUA	505	00
NIGER	227	00

International Direct Dial Prefixes and Country Codes

To make a call, dial IDD Prefix + Country Code + Phone Number.

Location	Country Code	IDD Prefix
NIGERIA	234	009
NIUE	683	00
NORFOLK ISL.	672	00
NORTH KOREA	850	00
NORWAY	47	00
OMAN	968	00
PAKISTAN	92	00
PALAU	680	00
PANAMA	507	0
PAPUA NEW GUINEA	675	05
PARAGUAY	595	00
PERU	51	00
PHILIPPINES	63	00
POLAND	48	0-0
PORTUGAL	351	00
PUERTO RICO	787*	1
QATAR	974	0
RÉUNION ISL.	262	00
ROMANIA	40	00
ROTA ISL.	670	011
RUSSIA	7	8-10
RWANDA	250	00
ST. HELENA	290	01
ST. KITTS/NEVIS	869*	011
ST. LUCIA	758*	011
ST. PIERRE & MIQUELON	508	00
ST. VINCENT & GRENADINES	809*	011
SAIPAN ISL.	670*	011
SAN MARINO	378	00
SAO TOMÉ & PRINCIPE	239	00
SAUDI ARABIA	966	00
SENEGAL	221	00
SERBIA	381	00
SEYCHELLES ISL.	248	00
SIERRA LEONE	232	00
SINGAPORE	65	001
SLOVAK REPUBLIC	421	00
SLOVENIA	386	00
SOLOMON ISL.	677	00
SOMALIA	252	19
SOUTH AFRICA	27	09, 091
SOUTH KOREA	82	001
SPAIN	34	07~
SRI LANKA	94	00
SUDAN	249	00

Location	Country Code	IDD Prefix
SURINAME	597	00
SWAZILAND	268	00
SWEDEN	46	009
SWITZERLAND	41	00
SYRIA	963	00
TAIWAN	886	002
TAJIKISTAN	7	8-10
TANZANIA	255	00
THAILAND	66	001
TINIAN ISL.	670	011
TOGO	228	00
TOKELAU	690	00
TONGA ISL.	676	00
TRINIDAD & TOBAGO	868*	011
TUNISIA	216	00
TURKEY	90	00
TURKMENISTAN	993	8-10
TURKS & CAICOS ISL.	649*	011
TUVALU	688	00
UGANDA	256	00
UKRAINE	380	8-10
UNITED ARAB EMIRATES	971	00
UNITED KINGDOM	44	00
USA	1	011
US VIRGIN ISL.	1	01
URUGUAY	598	00
UZBEKISTAN	7	8-10
VANUATU	678	00
VATICAN CITY	376	00
VENEZUELA	58	00
VIETNAM	84	00
WAKE ISL.	808	00
WALLIS & FUTUNA ISL.	681	19~
WESTERN SAMOA	685	0
YEMEN	967	00
YUGOSLAVIA	381	99
ZAMBIA	260	00
ZIMBABWE	263	00

Notes:

* USA/Canada: Dial 1 + Code + Phone Number.
Elsewhere: Dial IDD + 1 + Code + Phone Number.

** Dial 95 to dial USA/Canada/Caribbean; country code not needed.

~ Wait for a second tone at this stage.